

## LED lighting system for the citizens of Paços de Ferreira

**Paços de Ferreira upgraded 14,000 street lights to LED, 2,000 of which are controlled and managed by Interact City software. What's more, this remarkable transformation was completed in just three months.**

**“Interact City enables us to get the most out of our installation – we’re adapting to the latest technology and the digital society in which we live.”**

Dr. Humberto Brito,  
Chairman of the Municipal Council of Paços de Ferreira

### Customer challenge

Paços de Ferreira, with a population of 60,000 residents, is a hub of commercial and industrial activity in the north of Portugal. It's known as the 'Capital of Furniture' because it's home to some of the world's largest furniture manufacturers and a center of European furniture production.

Three clear goals were defined for the project: to improve public lighting for citizens, to lower the city government's lighting costs, and to hit the municipality's sustainability goals by reducing its yearly carbon footprint.

### Solution

The project was one of the largest undertaken in Portugal with 14,000 luminaires switched to LED in Paços de Ferreira and the neighboring town of Freamunde. Around 2,000 of these – 20% of the new LED lighting network – were connected to Interact City. This enabled remote management, simplifying the management and control of the connected light points.

## Interact - Making it happen

Despite the scale of the project, it was completed in just three months. And now, Paços de Ferreira has a single control system to conveniently, efficiently and sustainably manage its connected lighting network.

The 2,000 connected street lights can be remotely adapted to the time of night, season or event, making it easier to deliver the right light at the right time. Interact City also collects relevant data in close to real

time, allowing for almost instant adjustments when necessary. By making a modest initial investment to switch to LED technology, and using Interact City to drive further efficiencies, Paços de Ferreira has also experienced energy savings of 65%.

Most importantly, the high-quality, reliable lighting improves the daily lives of residents.



### Scene management

Remotely adapt city lighting to time of night, season, or context. Turn lighting up if there's a traffic accident or crime. Dim to 30% when the

streets are empty late at night. Interact City Scene management gives you the right light in the right place at the right time.



### Improving quality of life

Delivering consistent and reliable lighting to citizens was the local authority's primary aim and has clearly been achieved. Residents now enjoy a better

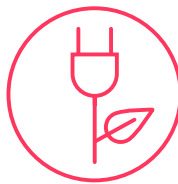
quality of life, with roads and spaces illuminated with an incredible quality of light, providing greater visibility in the city and its surrounding areas.



### Lighting asset management

Interact City Lighting asset management software supports easy commissioning of new and existing lighting assets, as

well as fault detection and remote energy and performance monitoring. Paços de Ferreira city officials know exactly what's happening and where within their lighting infrastructure, and can take action immediately with real-time alerts on lighting outages.



### Savings and sustainability

LED technology offers numerous advantages and can generate immediate results. Not only is Paços de Ferreira

now a more environmentally friendly place, it's reduced its energy costs by 65%. With lower carbon emissions, the municipality can now comply with Portugal's national standards.

## Project details

- 14,000 LED street lights installed in less than 90 days
- Paços de Ferreira is experiencing energy savings of up to 65%

 Find out how Interact can transform your business

[www.interact-lighting.com/city](http://www.interact-lighting.com/city)

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